

ACCESSION NR: AP4039287

increasing mass m_2 . Under working conditions the microphone is elastically suspended, with its membrane facing downward. The specific frequency of the support should be substantially below the lower limit of the microphone working range. Orig. art. has: 5 figures and 1 formula.

ASSOCIATION: Leningradskiy institut kinoinzhenerov (Leningrad Institute of Cinematographic Engineers)

SUBMITTED: 08Sep63

DATE ACQ: 12Jun64

ENCL: 02

SUB CODE: IE, GP

NO REF Sov: 001

OTHER: 000

Card 2/4

VAKHITOV, Ya. Sh.

Calculating the limiting values of the polarising voltage of
electrostatic sound converters. Trudy LIKI no.10:37-46 '64.

Double-sided electrostatic loudspeaker with nontensioned
diaphragm. Ibid. 147-56 (MIRA 1819)

1. Kafedra akustiki Leningradskogo instituta kinoinzhenerov.

STEPANOV, V.M.; VAKHITOVA, E.A.; YEGOROV, TS.A.; AVAYEVA, S.M.

Phosphoserine-containing peptide fragment of pepsin. Izv. AN SSSR.
(MIRA 18:5)
Ser. khim. no.4:759 '65.

1. Institut khimii prirodnykh soyedinenii AN SSSR.

L 2536-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EED-2/EWP(1)

ACCESSION NR: AP5021437

UR/0146/65/008/004/0046/0049

621.3.079

47

46

B

AUTHOR: Vakhliakov, G. V.

TITLE: Extremum regulator based on a quantization-level circuit

SOURCE: IVUZ. Priborostroyeniye, v. 8, no. 4, 1965, 46-49

TOPIC TAGS: pulse code modulation, pulse generator, transistorized circuit, logic circuit, automatic control equipment

ABSTRACT: The details of a new type of extremal regulator built on the principle of quantization levels are discussed. The block diagram of the regulator is divided into quantization and logic circuits. The quantization circuit gives information on the displacement of the moving point along the characteristic extremal. The logic circuit analyzes various situations and directs the moving point towards the extremal peak. A null-indicator detects the transition time of the moving point from back to front on the extremal curve. A second null-indicator, which has the reverse characteristic of the first one, takes over as soon as the voltage starts decreasing.

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ACCESSION NR: AP5021437

and the point moves away from the extremum. The regulator was successfully operated with 21 transistors and 2 electron tubes. Orig. art. has: 4 figures. [04]

ASSOCIATION: Kiyevskiy ordena Lenina politekhnicheskiy institut (Kiev Polytechnic Institute)

SUBMITTED: 29 May 65

ENCL: 00

SUB CODE: EC,IE

NO REF Sov: 000

OTHER: 000

ATD PRESS 4110

Card 212 Md

BYALYY, S. inzhener; SOLOMCHENKO, P., inzhener; VAKHLAKOV, P., inzhener;
SOKOLOV, N., inzhener.

Work experience of flour mills at grain procurement stations. Muk.-elev.
(MILRA 9:9)
prom. 22 no. 6:24-26 Je '56.

1. Dmitrovskaya mel'nitsa (for Vakhlavov).
(Flour mills)

VAKHLAKOVA L.G.

GOLOVANOVA, M.A.; YERETNOVA, Ye.M.; VAKHLAKOVA, L.G.; SHUL'MAN, S.S.;
DUBROVA, V.S.

Vaccinotherapy of chronic dysentery; authors' abstract. Zhur.mikro-
biol.epid.i immun. no.8:31-32 Ag '54. (MLRA 7:9)

1. Iz Sverdlovskogo meditsinskogo instituta (dir. A.F.Zverev, nauchnyy
rukovoditel' dotsent V.S.Durova)
(DYSENTERY, BACILLARY, therapy,
*vacc.)
(VACCINES AND VACCINATION,
*ther. of dysentery, bacillary)

VAKHLOMOV, I.

Bonus system for designing and adopting new equipment. Sots. trud
4 no. 7:39-45 Jl '60. (MIRA 13:8)
(Bonus system) (Technological innovations)

VAKHILAMOV, I.

Bonus payment to workers for creating and introducing technological innovations. Sots. trud 6 no.8:133-138 Ag '61.
(MIRA 14:8)
(Bonus system) (Technological innovations)

VASIL'YEV, Ye.; VAKHLOMOV, I.

Improve the economic stimulation for the creation and use of
modern technology. Sots. trud 7 no.8:40-47 Ag '62.
(MIRA 15:10)

(Technological innovations) (Bonus system)

VAKHLOMOV, I.

Necessary book on problems. Sets, trud 8 no.12:150-152
(MIRA 17:2)
D '63.

VAKHILAMOV, I.A.

Automobile Industry

Competition for rendering operations less laborious. Avt. trakt. prom. No. 5, 1952

Monthly List of Russian Accessions, Library of Congress, October 1952, Unclassified

VAKHILAMOV, I.A.

Current tasks of setting technical labor norms in automobile and tractor
production. Avt.trakt.prom. no.10:1-2 0 '53. (MLRA 6:11)

1. Ministerstvo mashinostroyeniya. (Automobile industry)

VAKH LAMOV, I. A.

ZELIKSON, M.Z., inzhener, retsenzent; VAKH LAMOV, I.A., inzhener, redaktor;
MOISEL', B.I., tekhnicheskij redaktor

[Acquiring new techniques and improving the economy of enterprises;
from experience in socialist competition in plants of the automobile,
tractor, and roller-bearing industries]Osvoenie novoi tekhniki i
uluchshenie ekonomiki predpriatii; iz opyta sotsialisticheskogo
sorevnovaniia na zavodakh avtomobil'noi, traktornoi i podshipnikovoi
promyshlennosti. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit.
lit-ry, 1954. 291 p. [Microfilm] (MLRA 8:3)
(Socialist competition) (Efficiency, Industrial)

VAKHILAMOV, I.A.

Improving the labor management of auxiliary workers. Avt.trakt.prom.
no.1:7-9 Ja '55. (MIRA 8:4)

1. Ministerstvo avtomobil'nogo, traktornogo i sel'skokhozyaystvennogo
mashinostroyeniya.
(Automobile industry workers)

VAKHILAMOV, I.A.

Improve production norms in the automotive and tractor industry.
Avt. trakt. prom. no. 4:1-2 Ap '55. (MIRA 8:5)

1. Ministerstvo avtomobil'nogo, traktornogo i sel'skokhozyaystven-
nogo mashinostroyeniya.
(Automobile industry) (Tractor industry) (Labor productivity)

~~SECRET~~ DRAFT

MILLER, M.E., kandidat tekhnicheskikh nauk; GAL'TSOV, A.D., redaktor;
BILINKIS, M.S., inzhener, retsenzent; VAKHLOMOV, I.A., retsenzent;
SHUMILKIN, V.K., retsenzent; PARFENENKO, K.V., redaktor; MATVEIEVA,
Ye.N., tekhnicheskiy redaktor

[Setting technical norms in machine building] Tekhnicheskoe normiro-
vanie v mashinostroenii. Pod red. A.D.Gal'tsova. Moskva, Gos.
nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1957. 363 p. (MLR 10:4)
(Machinery industry—Production standards)

ACCESSION NR: AP4047825

3/21/76/54/200/0 112-116

AUTHOR: Pakhlamov, S. V.

TITLE: Calculation of jet trajectory in lateral flow

SOURCE: Inzhenerno-fizicheskiy zhurnal, no. 10, 1964, 112-116

TOPIC TAGS: compressible fluid, trajectory equation, jet flow, static pressure

ABSTRACT: The trajectory of a compressible jet in lateral flow is calculated by projecting the equations of motion on the x- and y-coordinate axes. The contour of the jet is shown in Fig. 1 on the enclosure bounded by the sections Γ_{dc} and Γ_{oc} . The equations of motion along the x and y coordinates yield

$$(\rho_a U_a^2 + p_a) F_{ad} + \rho_a U_a^2 F_a \cos \alpha_a = \int_{F_{dc}}^{\rho_a U^2 \cos \alpha' dF} + \cos \alpha \int_{F_{dc}}^{\rho dF}, \quad (1)$$

$$\rho_a U_a^2 F_a \sin \alpha_a + \int_{F_{dc}}^{\rho dF} = \int_{F_{dc}}^{\rho U^2 \sin \alpha' dF} + \sin \alpha \int_{F_{dc}}^{\rho dF} + p_a F_{ao}. \quad (2)$$

where F - flow cross section. The following assumptions are made to facilitate

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L 12057-65
ACCESSION NR.: AP4047825

solution of these equations: the gas velocity on the jet boundaries coincides with its trajectory; the static pressure in the jet is the same as that of the external flow; the change in jet parameters between the nozzle and the exit of the jet contour is negligible. The resulting differential equation of the potential trajectory equation for the jet

$$\frac{dx}{dy} = \operatorname{ctg} \alpha_e + \frac{p_0 U_0^2}{p_e U_e^2} \frac{1}{\sin \alpha_e} \frac{F_2}{F_e},$$

where F_2 is determined by assuming it to be given by the sum of an area of a trapezoid and a semicircle. In its integrated form, the trajectory equation yields

$$x = \operatorname{ctg} \alpha_e y + \frac{1}{2} \frac{p_0 U_0^2}{p_e U_e^2} \frac{1}{\sin \alpha_e} b^2.$$

The values predicted by this equation are compared to the experimental data of Yu. V. Ivancev (Aerofloturbo-stroyechnye. No. 3, 1952), and D. S. Shandorov (Izv. Akad. Nauk SSSR, 1, 1957) as well as with equation (11) of G. N. Avramovich (Teoriya turbulentnykh struk. Pizmatov. 1960), and agreement is found to be satisfactory. (Tr. Akad. Nauk SSSR, 1, 1957, as well as 1958, No. 1).

Case 2/b

ACCESSION NR: APL047825

ASSOCIATION: none

SUBMITTED: 26Jul63

ENCL: 01

SUB CODE: ME

NO REF Sov: 006

OTHER: 000

Card 3/4

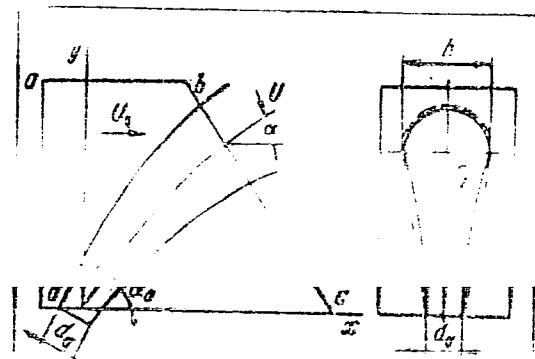
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ACCESSION NR: AP4047825

ENCLOSURE: 01



Card 4/4

APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001858410011-2"

VAKHILAMOV, V.A.

Capacity rating of electric motors of ~~building~~ machinery. Trudy
(MIRA 16:9)
GISI no.30:173-175 '61.

VAKHILOV, V.A.

[Electrical equipment for pumping stations; a practical manual for students taking the "Water Supply and Sewerage Systems" course] Elektrooborudovanie nasosnykh stantsii; uchebno-metodicheskoe posobie dlia studentov spetsial'nosti "Vodosnabzhenie i kanalizatsiya," Gor'kii, Gor'kovskii inzhenerno-stroit. in-t, 1963. 34 p.

(MIRA 17:10)

VAKHLOMOV, V.K.; BUCHIN, A.I.

Experimental investigation of friction in the suspensions of
automobiles with small cylinder capacity. Avt.prom. 31 no.4:29-
32 Ap '65. (MIRA 18:5)

1. Moskovskiy avtomobil'no-dorozhnyy institut i Moskovskiy zavod
malolitrazhnykh avtomobiley.

VAKHLER, B., inzh. (Donetsk)

Ozone purifies water. Zhil.-kom. khoz. 13 no. 5:27-28 My '63.
(MIRA 16:8)

(Chasov Yar—Water—Ozonization)

VAKHLER, B.A., inzh.

Ozonization of water of the North Donbas Canal. Khidrotekh i
melior 8 no.6:190-191 '63.

18(5); 25(2)

PHASE I BOOK EXPLOITATION

SOV/1775

Vakhler, Boris L'vovich

Nasosy i nasosnyye stantsii metallurgicheskikh predpriyatiy (Pumps and Pumping Stations of Metallurgical Plants) Moscow, Metallurgizdat, 1958. 255 p. Errata slip inserted. 7,500 copies printed.

Ed.: I.G. Sal'nikov; Ed: of Publishing House: A.A. Vagin; Tech. Ed.: M.K. Attopovich.

PURPOSE: This book is approved by the USSR Ministry of Higher Education as a text for students of ferrous metallurgical tekhnikums and may also be used by engineering and technical personnel of metallurgical plants studying to improve their qualifications.

COVERAGE: The book covers basic data on pumps and pumping stations of the water supply and sewage systems of metallurgical plants, presents methods of selecting pumps, and describes the arrangement of pumping equipment, electric power supply, automation and operation

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Pumps and Pumping stations (Cont.)

of pumping stations. Construction, operating principles, and performance characteristics of centrifugal, axial and piston pumps are presented. In preparing the book the author made use of operating data of several metallurgical plants of the Donbassvodtrest (Donbass Water Resources Trust), and the latest published data and design materials of the following Institutes: Gipromez (State Institute for the Design and Planning of Metallurgical Plants), vodokanalprojekt (All-Union Trust for the Design, Planning, and Study of Water Supply and Sewer Systems and Hydrotechnical Structures), Teploelektroprojekt (All-Union State Institute for the Design and Planning of Thermal Electric Power Plants), Giprostal' (State Institute for the Design and Planning of Steel Industry Establishments). The author thanks reviewers I.M. Ushakov and I.N. Izotov. S.S. Rudnev, A.Ye. Korovayev, and M.G. Kochneyev are mentioned as having made original theoretical investigations on the design of centrifugal pumps. It is stated that VIGM (All-Union Scientific Research Institute of Hydraulic Machinery Building) plays the leading role in the development of modern designs of pumps. There are 28 Soviet references.

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Pumps and Pumping Stations (Cont.)

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AVAILABLE: Library of Congress (TJ900.V3)

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GO/jab
6/24/59

VAKHLER, Boris L'vovich; INDENBAIM, V.S., red.; GOLYATKINA, A.G., red.
izd-va; MIKHAYLOVA, V.V., tekhn. red.

[Pumping and compressor plant operator; manual for improving
the qualifications of workers] Mashinist nasosnykh i kom-
pressornykh stantsii; uchebnoe posobie dlia povysheniia kva-
lifikatsii rabochikh. Moskva, Gos. nauchno-tekhn. izd-vo lit-
ry po chernoi i tsvetnoi metallurgii, 1961. 224 p.

(MIRA 14:9)

(Air compressors) (Pumping machinery)

VAKHLER, B.L. (Stalino)

Ozonization of drinking water under actual operating conditions.
Vod. i san. tekhn. no.8:21-25 Ag '61. (MIRA 14:9)
(Chasov yar--Water--Ozonization)

VAKHLER, B.L., inzh. (Donetsk)

Study of ozonization processes in the water of the Northern
Donets - Donets Basin Canal. Vod.i san.tekh. no.2:19-22 P '63.
(MIRA 16:2)
(Chasov-Yar—Water—Ozonization)

VAKHLER, Boris L'vovich

[Pumping stations in metallurgical enterprises; handbook]
Nasosnye stantsii metallurgicheskikh predpriatii; spravochnik, Moskva, Metallurgizdat, 1964. 268 p.
(MIRA 17:4)

VAKHLER, Boris L'vovich, kand. tekhn. nauk; SOLUYANOV, P.A., inzh.,
retsenzent; MATVEYEV, N.A., kand. tekhn. nauk,
retsenzent; KOZHINOV, V.F., doktor tekhn. nauk,
retsenzent

[Ozonization of the water of the Northern Donets-Donets
Basin Canal for drinking purposes] Ozonirovanie vody ka-
nala Severnyi Donets-Donbass dlia pit'evykh tselei. Mo-
skva, Stroizdat, 1965. 83 p. (MIRA 18:12)

BATENKO, V.F., inzh.; GVOZDEV, V.F., inzh.; VAKHLER, V.A., inzh.; PIL'SHCHIKOV, A.P., inzh.; ROGATSKIN, B.S., inzh.; BEIYAKOVA, L.F., inzh.; KATKOV, G.S., inzh.

Ion-exchange filters with compound operation in power blocks with 300 Mw. ratings. Elek. sta. 36 no.10:8-15 0 '65.

(MIPA 18:10)

VAKHILIS, B.I.

VAKHILIS, B. I. i ROKHILIN, S. I.
34227. Kimiko-toksikologicheskiye issledovaniya Po Delam ob otravleniyakh.
Kriminalistika i Nauch.-Sudeb. Ekspertiza. SE. Z. Kiyev, 1949, c.
249-70

SO: Knizhnaya Letopis' № 6, 1955

VAKHLIS, M.Ye. (Chernovitsy)

Application of one formula. Mat. v shkole no.1:56-57 Ja-F '61.
(MIRA 14:3)
(Equations)

SOKOLOV, I.P.; VAKHMAN, D.Ye.

Optimum linear sinphase antennas with continuous current distribution. Radiotekh. i elektron. 3 no.1:46-55 Ja '58. (MIRA 11:2)
(Radio--Antennas)

VAKILAN, I.S.

Neurological disorders in acute leukemia. Sov. med. 22 no.2:
111-118 Ag '65. (MIRA 18:9)

1. Nevrologicheskoye otdeleniye (nauchnyy rukovoditel' - prof. M.B.TSuker) i hematologicheskoye otdeleniye (rukovoditel' - prof. Ye.A.Kost) Klinicheskoy bol'nitsy imeni Botkina (glavnnyy vrach - dotsent Yu.G.Antonov), Moskva.

SKUCHAYEVA, Ye.D.; VAKIDAN, I.S.

Use of medical gymnastics in inferior paraplegia. Med. sestra 21 no.5:
48-58 My '62. (MIRA 15:5)

1. Iz ottdeleniya lechebnoy fizkul'tury bol'nitsy imeni S.P.Botkina,
Moskva.

(EXERCISE THERAPY) (PARAPLEGIA)

VAKHMAN, I.S.

(Moskva)

Clinical aspects of nervous system diseases in chronic leukemia.
Klin. med. 41 no.9-104-110 S'63 (MIRA 17:3)

1. Iz nevrologicheskogo otdeleniya (nauchnyy rukovoditel' - prof. M. B. TSuker) i gematologicheskogo otdeleniya (rukoveditel' - prof. Ye. A. Kost) Klinicheskoy bol'nitsy imeni S. P. Botkina (glavnnyy vrach - dotsent Yu. G. Antonov), Moskva.

VAKHMAN, I.S.

Cerebellar hemorrhages in acute leukemia. Zhur. nevr. i psikh.
65 no.9:1340-1345 '65. (MIRA 18:9)

1. Nevrologicheskoye otdeleniye nauchnyy rukovoditel' - prof.
M.B. TSuker) i genatologicheskoye otdeleniye (rukovoditel' -
prof. Ye.A. Kost) bol'nitsy im. Botkina (glavnnyy vrach -dotsent
Yu.G. Antonov), Moskva.

ANDREYEV, L.L.; VAKHMAN, V.I.; CEPURIN, P.I.; MIROSHNICHENKO, V.F.;
BOGACHEV, A.S.; VOL'VACH, Ye.Ye., agronom-entomolog; CHEBOTAREV,
M.Ya., agronom-entomolog (Georgiyevskiy rayon); ZGADOV, G.I.,
agronom po zashchite rasteniy

Killing shield bugs in combines. Zashch.rast.ot verd. i bol.
7 no.6:30-31 Je '62. (MIR. 15:12)

1. Zaveduyushchiy Severo-Kavkazskim opornym punktom Vsesoyuznogo
instituta zashchity rasteniy (for Andreyev). 2. Zamestitel' direktora,
glavnny agronom sovkhoza "Kurskoy" (for Vakhmar). 3. Zamestitel'
direktora, glavnny agronom oporno-pokazatel'nogo sovkhoza "Obil'-
nenskiy" (for Cepurin). 4. Glavnny inzh. sovkhoza "Kurskiy" (for
Bogachev). 6. Severo-Kavkazskiy opornyy punkt Vsesoyuznogo Instituta
zashchity rasteniy (for Vol'vach). 7. Sovkhoz "Starodubskiy"
(for Zgadov).

(Stavropol Territory--Wheat--Diseases and pests)
(Stavropol Territory--Eurygasters)

FUKS, I.M.; VALEYEVA, F.N.; POPKOVA, F.V.; VOLKOVA, L.P.; BELOGOLOVSKAYA, T.A.; ROMASHKEVICH, I.K.; ~~Prinimali uchastiye: MOROZOVA, L.M.; DASHEVSKAYA, S.I.; VAKHMINA, L.S.; KARAVAYEVA, G.V.; IVANOVSKIY, A.K.; ZHUKHINA, G.Ye.; SOLOV'YEVA, G.M.; ANDRIYANOVA, M.V.; AKHMETOVA, V.M.; NEMIROVSKAYA, M.Ye.; MUSORINA, L.S.; KALASHNIKOVA, Ye.I.; PESHKO, A.P.; IVANOVA, N.V.; ALKESEYEVA, N.I.; SADOVNIKOVA, G.N.~~

Study on the possibility of reducing the diphtheria vaccine dose in revaccination of 9 to 12 year-old schoolchildren. Zhur. mikrobiol., epid. i immun. 41 no.11:103-107 '65. (MIRA 18:5)

1. Ufimskiy institut vaktsin i syyorotok imeni Mechnikova.

VAKHMIN TSEV G. S.

SERGEYEV, A.A., red.; ANPILOGOV, I.M., red.; ASSONOV, V.A., red.; BABAYANTS, N.A., red.; BABOKIN, I.A., red.; BALAMUTOV, A.D., red.; BOGORODSKIY, N.N., red.; BOLONENKO, D.N., red.; BUCHNEV, V.K., red.; VAKHMIN TSEV, G.S., red.; VORONKOV, A.K., red.; GARKALENKO, K.I., red.; GORBATOV, P.Ye., red.; GOLOVLEV, V.Ya., red.; DOKUCHAYEV, M.M., red.; DUBNOV, L.V., red.; YEVTEYEV, A.D., red.; YEREMENKO, Ye.K., red.; ZENIN, N.I., red.; KRIVONOGOV, K.K., red.; KUPALOV-YAROPOLK, I.K., red.; MATSYUK, V.G., red.; NIKOLAYEV, S.I., red.; ONISHCHUK, K.N., red.; PETROV, K.P., red.; PILYUGIN, B.A., red.; PLATONOVA, A.A., red.; POLESIN, Ya.L., red.; POKROVSKIY, L.A., red.; POMETUN, D.Ye., red.; POLYUSHKIN, A.Kh., red.; REYKHER, V.P., red.; SEDOV, N.A., red.; SIDORENKO, I.T., red.; FIDELEV, A.A., red.; CHAKHMAKHCHEV, A.G., red.; CHEMODOUROV, M.Ya., red.; SHUMAKOV, A.A., red.; YAREMENKO, N.Ye., red.; PARTSEVSKIY, V.N., red.izd-va; ATTOPOVICH, M.K., tekhn.red.

[Standard safety regulations for blasting operations] Edinyye pravila bezopasnosti pri vzryvnykh rabotakh. Izd.2. Moskva, Gos. nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1958. (MIRA 13:1)
318 p.

1. Russia (192)- U.S.S.R.) Komitet po nadzoru za bezopasnym vedeniyem rabot v promyshlennosti i gornomu nadzoru.
(Mining engineering--Safety measures)

VAKHMINTSEV, V.A., slesar'

Machine for cutting metal screens. Suggested by V.A. Vakhmuntsev.
Rats. i izobr. predl. v stroi. no, 16:47-48 '60. (MIRA 13:9)

1. Stalingradskoye stroitel'no-montazhnoye upravleniye tresta
Stroytermoizolyatsiya, Moskva, ul. Yermolovoy, d.22.
(Cutting machines)

VAKHMISTROV, B.V.

Melting aluminum scrap in commercial frequency, induction crucible
furnaces. TSvet. met. 37 no.6:86-87 Je '64. (MIRA 17:9)

VAKHMISTROV, D.B.

Increasing the productivity of plants. Prir~~ca~~ 50 no.12:53-55
D '61. (MIRA 14:12)

1. Institut fiziologii rasteniy im. K.A.Timiryazeva AN SSSR,
Moskva. (Plant physiology)

VAKHMISTROV, D.B.; ZHURBITSKIY, Z.I.

Extent of the selective absorption capacity of plants for the
elements of mineral nutrition. Dokl. AN SSSR 151 no.5:1228-1231
(MIRA 16:9)
Ag '63.

1. Institut fiziologii rasteniy im. K.A.Timiryazeva AN SSSR.
Predstavleno akademikom A.L.Kursanovym.
(Plants—Nutrition) (Minerals in plants)

VAKHMISTROV, D.B.

Magnitude of the "apparent free space" of plant roots. Fiziol.
rast. 12 no.5:805-813 S-0 '65. (MIRA 19:1)

1. Institut fiziologii rasteniy imeni Timiryazeva AN SSSR, Moskva.

VAKHMISTROV, I.S., inzh.

Using phototubes for the protection of d.c. high-tension bus conductors.
Elek.sta. 28 no.12:69-71 D '57. (MIRA 12:3)
(Bus conductors (Electricity)) (Photoelectric cells)

GATLAND, K.W.; DUGOSHIN, V.N. [translator]; MAKSIMOV, M.I. [translator];
VAKHISTROY, V.V. [translator]; GRISHIN, A.P., doktor tekhnicheskikh
nauk, redaktor; KROGLIKOV, F.F., redaktor; KLIMENTKO, S.V., tekhniches-
kiy redaktor

[Development of the guided missile. Translated from the English]
Razvitiye upravliaemykh snariadov. Perevod s angliiskogo V.N.Duboshina
i dr. Pod red. A.P.Grishina. Moskva, Izd-vo inostrannoi lit-ry,
1958, 369 p.
(Guided missiles)

(MLRA 9:12)

BAKANOV, R.A.; BURYAKOV, Yu.F.; VAKHMISTROV, V.V.; VOLODIN, N.V.;
KUROCHKIN, V.D.; SAVELOV, V.P.; SUDZILOVSKIY, G.A.;
MARCHENKO, V.G., red.; BALASHOVA, M.V., red.-leksikograf;
BERDNIKOVA, N.D., red.-leksikograf; CHAPAYEVA, R.I.,
tekhn. red.

[Concise English-Russian and Russian-English military
dictionary] Kratkii anglo-russkii i russko-angliiskii voen-
nyi slovar'. Moskva, Voen.izd-vo M-va oborony SSSR, 1963.
560 p. (MIRA 16:4)

(Military art and science--Dictionaries)
(English language--Dictionaries--Russian)
(Russian language--Dictionaries--English)

VAKHIMIS, i khr. 44. 51.

TSAREV, G.P.; ANDRONNIKOV, V.V.; KOBYCHEVA, A.A.; ANNENKOVA, A.A.;
VAKHIMIROVA, M.P., red.; MEDVEDIEVA, S.G., red.; BIKMUKHAMEDOV,
K., red.; BIKONINA, F.I., red.

[Kazakhstan; on the 40th anniversary of the Great October Socialist
Revolution; a concise reference manual and bibliography] Kazakhskaya
SSR; k 40-letiiu Velikoi Oktiabr'skoi sotsialisticheskoi revolutsii;
kratkie spravochnye svedeniia i ukazatel' literatury. Alma-Ata,
(MIRA 11:10)
1957. 233 p.

1. Alma-Ata. Gosudarstvennaya respublikanskaya biblioteka.
(Kazakhstan--Statistics) (Bibliography--Kazakhstan)

VAKHMISTROVA, M.P.. Prinimali uchastiye: DEYEVA, Z.N.; YAKOVLEVVA, A.F.
CHEZHIK, F., otv. za vypusk

[Reclamation of virgin and waste lands in Kazakhstan; bibliography]
Osvoenie tselinykh i zaleshnykh zemel' Kazakhstana; ukazatel'
literatury. Alma-Ata, 1959. 162 p.

(MIRA 13:11)

1. Alma-Ata. Gosudarstvennaya respublikanskaya biblioteka.
(Bibliography--Kazakhstan--Reclamation of land)

3 (2)

AUTHOR:

Vakhmyanin, A. I.

SOV/6-59-5-17/26

TITLE:

On the Production of Labels With Inscriptions by the Photo-composing Method (Ob izgotovlenii nakleyek nadpisey fotonabornym sposobom)

PERIODICAL:

Geodeziya i kartografiya, 1959, Nr 5, p 50 (USSR)

ABSTRACT:

At the Kazakhskoye AGP (Kazakh Aerogeodetic Enterprise) the tasks involved in the production of labels by the photo-composing method, viz. the composing of photo-letters, exposing, and the finishing of the prints, are carried out by each photo-technician individually. In the paper, the author describes the way in which he carries out these tasks. He achieves a production exceeding the target by 200 to 220 %.

Card 1/1

VAKHMYANIN, V.S., inzhener.

Tubular pneumatic vibrators. Izobr.v SSSR 2 no.5:21 My '57.
(MIRA 10:7)

(Vibrates) (Molding (Founding))

VAKHMYANIN, V.S.

Milling cutters for straightening grinding wheels. Drawing
dies with spherical clamps. Izobr.i rats. no.7:22 J1 '58.
(MIRA 11:9)
(Grinding wheels) (Dies (Metalworking))

VAKHMYANIN, V.S., inzh.

Increasing the production of cupola furnaces. Izobr.v SSSR
3 no.1:13 Ja '58. (MIRA 11:1)
(Cupola furnaces)

VAKHMYANIN, V.S., insb.

Punches for cutting off separator rivet caps. Izbor. 1 rate.
3 no. 4:18 Ap '58. (MIRA 11:7)
(Rivets and riveting)
(Punches)

KASPER, M.A.; VAKHMYANIN, V.S.

The MTZ-5M and MTZ-3 "Belarus" tractors. Biul.tekh.-ekon.inform no.2:
61-62 '59, (MIRA 12:3)
(Tractors)

VAHHYANIN, V.S., inzh.; TSYVLIN, M.M., inzh.

Semiautomatic production line for polishing radio-phonograph
cases. Der.prom. 8 no.3:17-18 Mr '59. (MIRA 12:4)
(Grinding and polishing)

VAKHMYANIN, V.S.

Automatic machine for gluing mosaic parquetry on paper tape.
Der.prom. 9 no.2:16 F '60. (MIRA 13:6)
(Parquet floors) (Gluing)

VAKHMYANINA, L.

A year passed. Okhr. truda i sots. strakh. no. 4:55-57 Ap '59.
(MIRA 12:8)

1. Doverennyi vrach Novosibirskogo oblastsovprofa.
(Novosibirsk Province--Medicine, Industrial)

VAKHNENKO, P.F., inzh.

Calculation for oblique eccentric compression of
reinforced concrete elements of rectangular cross
section with assymmetrical reinforcements. Stroi.
konstr. no.1:44-53 '65.

(MIRA 19:1)

1. Poltavskiy inzhenerno-stroitel'nyy institut.

VAKHnenko, V. I., inzh.

Results of rail observation. Put' i putekhov. 8 no. 128.9 '64.
(MIRA 18-1)

VAKHnenko, V. I., inzh.

Operational strength of standard make R50 rails. Testy TSNIK MTS
no.292:154-165 '65.
(MIRA 18:10)

VAKHnenko, V.I., inzh.

Prevent contact-fatigue defects. Put' i put. khoz. 9 no.11:41-42
'65. (MIRA 18:11)

~~CONFIDENTIAL~~
VAKHNEYEV, B.A., inzh.; TRYNOV, M.A., inzh.

The VPM-TsNIIME felling and loading machine. Mekh.trud.rab. 11
no.8:40-44 Ag '57. (MIRA 10:11)
(Lumbering--Machinery)

VAKHMEYEV, B.A.

ROGOZKIN, A.V., inzhener; VAKHMEYEV, B.A., inzhener

VAKHMEYEV,
B.A.

General machinery for lumber felling operations. Mekh.trud.rab.9
no.9:5-8 S'55. (MILRA 8:12)

(Lumbering--Machinery)

VAKHANOV, B.A., PYETUZHCV, G.S.

30354

Pogryzka dryevyesiny na nizhnyem lyesnom skladye. Iz opyta Shar'in. Lyesckorbinata. Myekhanizatsiya trudoyemkikh. Tyazhyelykh rabot, l 49, No 9, s. 22-25

SC: LETCPIS' No. 34

VAKHININ, A. (g.Salekhard, Yamalo-Nenetskiy okrug)

Construction workers of the Yamal rest in the sanatoriums of the south. Okhr. truda i sots.strakh. 4 no.7:19 J1 '61. (MIRA 14:7)
(Yamal-Nenets National Area--Construction workers)

VAKHNIN, E.; SOLOV'YEV, N.; KLOCHKOV, A.

Reconstructing a two-row cow barn into a four-row barn. Sel'.
(MIRA 13:9)
stroi. 15 no.9:4-6 S '60.

1. Direktor sovkoza "Nizhegorodets" Dal'ne-Konstantinovskogo
rayona, Gor'kovskoy oblasti (for Vakhnin).. 2. Glavnyy inzhener
sovkoza "Nizhegorodets" Dal'ne-Konstantinovskogo rayona,
Gor'kovskoy oblasti (for Solov'yev). 3. Starshiy prorab sovko-
za "Nizhegorodets" Dal'ne-Konstantinovskogo rayona, Gor'kovskoy
oblasti (for Klochkov).
(Arctic regions--Fur farming)

VAKHNIN, M. I., ed.

Ustroistve STSB (signalizatsii tsentralizatsii i blokirovki) i ikh ispol'zovanie.
[Signalizing, centralization and block system equipment and its use]. Utverzhieno
v kachestve uchebnika dlia vuzov zheleznodorozhnogo transporta. Moskva, gos.
transp. zhel-dor. izd-vo, 1948. 415 p. illus.

DLC: TF615.V27

SO: SOVIET TRANSPORTATION AND COMMUNICATION, A BIBLIOGRAPHY, Library of Congress
Reference Department, Washington, 1952, Unclassified.

VAKHNIN, M.I.

Inventions and improvements of Russian scientists in the field of railroad automatic signaling, telemechanics and electric communication.
Trudy po ist.tekh. no.11:97-114 '54. (MIRA 7:9)
(Railroads--Signaling)

~~VAKHNIN, M.I.; POKROVSKIY, M.A.; TALYKOV, A.A.; PERKIN, N.F.; PUTIN, D.K.~~
~~VAKHNIN, M.I., professor, doktor tekhnicheskikh nauk, redaktor;~~
~~GERONIMUS, B.Ye., kandidat tekhnicheskikh nauk, redaktor; KHITROV,~~
~~P.A., tekhnicheskiy redaktor.~~

[Signaling, central control and block system for use with d.c.
electric traction] Ustroistva STsB pri elektricheskoi tsiage pere-
mennogo toka. Moskva, Gos.transp.zhel.-dor.izd-vo, 1956. 219 p.
(Moscow, Vsesoiuznyi nauchno-issledovatel'skii institut zhelezno-
rozhnogo transporta. Trudy, no.126). (MLRA 10:1)

(Electric railroads--Signaling)

32 (3)

SOV/112-57-5-10946

Translation from: Referativnyy zhurnal. Elektrotehnika, 1957, Nr 5, p 198 (USSR)

AUTHOR: Vakhnin, M. I., Penkin, N. F., Pokrovskiy, M. A., Pugin, D. K.,
Talykov, A. A.

TITLE: Railroad Signaling Equipment with AC Traction System
(Ustroystvo STsB pri elektrfcheskoy tyage peremennogo toka)

PERIODICAL: Tr. Vses. n.-i. in-ta inzh. zh.-d. transpr., 1956, Nr 126,
p 220, ill.

ABSTRACT: Bibliographic entry.

Card 1/1

VAKHNIN, M.I., professor, doktor tekhnicheskikh nauk.

Semiconductors and their prospective use in railroad transportation.
Tekh.zhel.dor.15 no.4:4-8 Je '56. (MLRA 9:9)
(Semiconductors)

VAKHIN, Mikhail Ivanovich, professor; ISLANKINA, T.F., redaktor; GUBIN, M.I., tekhnicheskiy redaktor

[Automatic and remote control in the organization of train traffic in railroad transportation] Avtomatika i telemekhanika v organizatsii dvizheniya poездов на железнодорожном транспорте. Москва, Izd-vo "Знание," 1957. 23 p. (Vsesoiuznoe obshchestvo po rasprostraneniu politicheskikh i nauchnykh znanii. Ser. 4, no.2)

(MLRA 10:2)

(Railroads--Automatic train control)

VAKHIN, Mikhail Ivanovich; VLODAVSKIY, Moisey Il'ich; IL'YENKOV, Viktor Ivanovich; KOTLYARENKO, Nikolay Fedorovich; MAYSHEV, Petr Vladimirovich; BRYLEVYEV, A.M., doktor tekhn.nauk, retsensent; RAKITO, E.I., redaktor; CHEKHMENEV, N.M., redaktor; VERINA, G.P., tekhnicheskiy redaktor.

[Automatic control and telemechanics for railroad lines] Avtomatika i telemekhanika na peregonakh] Avtomatika i telemekhanika na peregonakh. Pod obshchel red. M.I.Vakhnina. Moskva, Gos.transp.zhel-dor.izd-vo, 1957. 435 p. (MIRA 10:12) (Railroads--Signaling--Block system)

32(3)

SOV/112-58-3-4574

Translation from: Referativnyy zhurnal. Elektrotehnika, 1958, Nr 3, p 172 (USSR)

AUTHOR: Kukin, A. N., and Vakhnin, M. I.

TITLE: Electrical Insulation Resistance of Reinforced-Concrete Ties
(Ob elektricheskem soprotivlenii izolyatsii zhelezobetonykh shpal)

PERIODICAL: Vestn. Vses. n.-i. in-ta zh.-d. transp., 1957, Nr 3, pp 9-16

ABSTRACT: Reinforced-concrete ties with wooden bushings for fastening the rails to the ties cannot, in their present form, function reliably as far as automatic block system is concerned because of a low insulation of concrete and bushings. Impregnating the ties with substances that tend to increase the concrete insulating properties cannot insure sufficient insulation for a long period. Experience has shown that beech bushing impregnated with a 50-per cent Nr-3 bitumen solution in anhydrous anthracene oil can be recommended for experimental sections; also bushings impregnated with a 50-per cent solution of Groznyy petrolatum in anhydrous anthracene oil can be recommended. The

Card 1/2

32(3)

SOV/112-58-3-4574

Electrical Insulation Resistance of Reinforced-Concrete Ties

hole in the concrete tie should be treated with hot bitumen before the wooden bushing is driven into it. Experiments that served to study concrete properties are described, and curves of the electrical resistance of concrete depending on various conditions are given. Similar studies conducted in Hungary are cited. Illustrations: 9.

T.A.K.

Card 2/2

VAKHNIN, M.I., prof., doktor tekhn. nauk.

Prospects for developing a system of railroad signaling. Vest.
TSNII MPS 17 no.8:19-22 D '58. (MIRA 12:1)
(Railroads--Signaling)

VAKHIN, M. I., prof.

Surge protection of transistorized communications and
automatic control systems. Vest. TSMII MPS 19 no.4:7-10
'60. (MIRA 13:7)

(Transistors)
(Railroads--Electric equipment) (Electric protection)

BORISOV, Dmitriy Petrovich, doktor tekhn. nauk, prof.; YERPYLOV, Konstantin Nikolayevich, kand. tekhn. nauk; KORMILITSYN, Aleksandr Yakovlevich, kand. tekhn. nauk, dotsent; VAKHININ, M.I., doktor tekhn. nauk, prof., retsenzent; LISTOV, V.N., doktor tekhn. nauk, prof., retsenzent; NEUGASOV, N.M., kand. tekhn. nauk, dotsent, retsenzent; MARENKOVA, G.I., inzh., red.; NOVIKAS, M.N., inzh., red.; BOBROVA, Ye.N., tekhn. red.

[Automatic and remote control and communications in railroad transportation] Avtomatika telemekhanika i sviaz' na zheleznyodorozhnom transporte. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniya, 1961. 283 p.

(MIRA 14:7)

(Railroads—Signaling) (Railroads—Communication systems)
(Railroads—Electronic equipment)

VAKHNIN, M.I., doktor tekhn.nauk, prof.

Regularities of protective action in the silicon diodes and
their basic characteristics. Vest.TSNII MPS 20 no.5:9-14 '61.

(Lightning protection) (Diodes)

(MIRA 14:8)

SHMYREV, Aleksandr Georgiyevich; VAKHNIN, M.I., doktor tekhn. nauk,
prof., retsenzent; YEFREMOV, M.I., retsenzent; MARENKOVA,
G.I., inzh., red.; KHITROVA, N.A., tekhn. red.

[Handbook on automation and remote control on railroads]
Spravochnik po zheleznodorozhnoi avtomatike i telemekhanike.
Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei
soobshcheniya, 1962. 311 p. (MIRA 15:3)
(Railroads) (Automation) (Remote control)

VAKHNIN, M.I., doktor tekhn.nauk; SHISHLYAKOV, A.V., kand.tekhn.nauk

Characteristics of the numerical code system of automatic block
signaling with code translation. Vest.TSNII MPS 21 no.2:11-16
'62.

(MIRA 15:4)

(Railroads--Signaling--Block system)

VAKHNIK, V.M.

①
6340
18x10

Electrical Engineering Abstracts
May 1954
Electric Waves and Oscillations

Electronics Physics

✓ 2064. Characteristic functions of real resonators.
V. M. VAKHNIK. Dokl. Akad. Nauk SSSR, 91, No. 4,
779-82 (1953) *In Russian, English translation, U.S.*
National Sci. Found. NSF-tr-166.

In mathematical physics, use is made of the characteristic functions of ideal resonators in which there are no energy losses at the boundaries of the resonator. This paper considers the problem of real resonators which satisfy the dissipative boundary conditions and possess orthogonality. An infinite two-wire transmission line with energy losses caused by distributed conductivity is considered. Two main types of function are derived and their properties briefly described and illustrated by reference to diagrams of the oscillatory functions. This treatment gives more accurate solutions of several practical problems than the present method based on the ideal resonator.

H. J. H. STARKS

27 Equipment for Attenuation
Measurement of Radioactive Materials

The equipment is suitable for the determination of the influence of various factors, such as surface treatment, on the attenuation. A section drawing and photograph of the attenuator are shown and a block diagram of the meter is given.

VAKHNIN, V.M.

Category : USSR/Radiophysics - Radiation of Radio Waves. Antennas

I-5

Abs Jour : Ref Zhur - Fizika, No 2, 1957, No 4526

Author : Vakhnin, V.M.

Title : Concerning One Variant of Standing Waves ("Moving" Waves).

Orig Pub : Tr. Mosk. energ. in-ta, 1956, vyp. 21, 54-57

Abstract : The case of standing waves under study is among the simplest lossless one-dimensional systems such as a string, as two-conductor line, etc. Unlike the generally-known case, the boundary conditions of the "short circuit" type pertain to two points moving along the system with a constant velocity v . When transforming from stationary coordinates to coordinates moving together with the boundary points, the wave equation assumes the form

$$\frac{\partial^2 u}{\partial t^2} c = (c^2 - v^2) \frac{\partial^2 u}{\partial x^2} - 2v \frac{\partial^2 u}{\partial x \partial t}$$

If u is considered real, then the variables are not separable, and therefore it is convenient to employ the "requirement of sinusoidal character of oscillations" if standing waves are to be obtained, i.e., it is necessary to specify that the process at each point of observation be sinusoidal with time, without connecting this requirement with the

Card : 1/2

Category : USSR/Radiophysics - Radiation of Radio Waves. Antennas

I-5

Abs Jour : Ref Zhur - Fizika, No 2, 1957, No 4526

separation of variables. The standing wave obtained in such a manner satisfies the moving boundary conditions and can be represented as a superposition of two waves of different lengths traveling in opposite directions. Such a wave differs from a simple standing wave in the presence of a phase shift, which increases linearly along the coordinate, and also by the fact that when the distance between the boundary points is constant the frequency of the oscillations has a speed dependence represented by the factor $(1 - v_2/c_2)$.

Card : 2/2

VIETNAM, VIET

"Physical Meaning of the Anomalous Law of Variation of Attenuation With Frequency for Mode H_0 Waves in a Circular Waveguide," by V. M. Vakhnin, Tr. Mosk. Energ. In-ta, No 21, 1956, pp 58-61 (from Referativnyy Zhurnal -- Fizika, No 10, Oct 56, Abstract No 29500) ✓

The decrease of ohmic losses with higher frequency of mode H_{0m} waves in circular waveguides with axial symmetry is explained by the fact that at $\omega \rightarrow 0$ losses bound to the current component directed along the waveguide axis are proportional to $\omega^{1/2}$, and the losses bound to the transverse component to $\omega^{-3/2}$. As long as longitudinal components for H_{0m} waves are lacking, the losses decrease as the frequency increases.

SYM.1305

VAKHIN, V. M.

"Device for Measuring Attenuation of Wave H_{01} in Short Sections of Waveguides by the Resonant Cavity Method," by V. M. Vakhin and T. F. Kolodina, Radiotekhnika i Elektronika, No 12, Dec 56, pp 1485-1491

The article describes a method of measuring attenuation, and the construction of a device for testing 50 mm cylindrical waveguides with H_{01} mode 3-cm waves. The method is based on comparison of the resonance curve of the tested cavity with that of the integrating RC circuit on the screen of a cathode-ray tube. The accuracy of this device is not less than 3.3% for general cases, and only 1% for some specific cases.

This device permits the investigation of the influence of various factors, as surface condition, oxide layer, coating, etc., on the attenuation of mode H_{01} waves.

This method was worked out in the USSR during the years 1951-1953.

54M 1305